DX-TL4516U

16-Channel Digital Video Recorder
With JPEG2000 Video Compression

MITSUBISHI ELECTRIC
SECURITY PRODUCTS

Versatile Monitoring, Superb Reliability And User Friendly Set Up

Key Features

- JPEG2000 video compression for superb video quality
- 960 PPS live/120 PPS record
- Built-in integrated CD/DVD drive for easy copy
- Auto set up for automated programming
- Multiple HDD options
- Dual multiplexer outputs for simultaneous live/record on two monitors
- Advanced motion detection up to 418 detection dots
- PTZ of dome cameras
- Various search options
- Built-in network for remote view and programming

The DX-TL4516U is a 16 video input stand alone digital video recorder based on JPEG2000 video compression. Sharing many features with Mitsubishi's ultra-high spec DX-TL5000U recorder, the DX-TL4516U is smaller in size and more cost effective yet offers an array of advanced features critical in today's security market. Utilizing JPEG2000 video compression, the DX-TL4516U offers pristine real time live images displayed at 960 pictures per second and high density recording is possible at a rate of 120 pictures per second. Compared to wavelet compression, JPEG2000 also reduces hard disc drive consumption while providing superior image quality for optimal recording.

Image copy with the DX-TL4516U is simple with it's built in CD/DVD drive. Other features include USB mouse supported GUI for easy programming, advanced motion detection and PTZ of dome cameras. With use of the included DX-PC55U software, monitoring, playback and full programming is possible from remote locations. Options include a security controller keyboard and USB enabled HDD expansion units that can offer terabytes of additional storage. Advanced, easy to use and highly reliable, the DX-TL4516U offers the performance for secure 24/7 digital video surveillance.

Panel Open

DX-TL4516U *16-Channel Digital Video Recorder*

SPECIFICATIONS

Recording Capacity 250GB

Picture Grade	Recording PPS (Camera total)																Rec Picture
	120	80	60	48	32	30	16	13	10	8	4	2	1	0.5	0.25	0.125	
L6-30KB	0d18h	1d3h	1d12h	1d22h	2d21h	3d1h	5d18h	7d2h	9d5h	11d13h	23d2h	46d5h	92d11h	184d22h	369d21h	739d19h	7,989,000
L5-25KB	0d22h	1d9h	1d20h	2d7h	3d11h	3d16h	6d22h	8d13h	11d2h	13d21h	27d18h	55d13h	111d2h	222d5h	444d10h	888d20h	9,599,000
L4-20KB	1d3h	1d17h	2d7h	2d21h	4d8h	4d15h	8d16h	10d16h	13d21h	17d9h	34d18h	69d12h	139d1h	278d2h	556d5h	1112d10h	12,013,000
L3-15KB	1d13h	2d7h	3d2h	3d20h	5d19h	6d4h	11d14h	14d6h	18d13h	23d4h	46d9h	92d19h	185d15h	371d6h	742d12h	1485d1h	16,038,000
L2-10KB	2d7h	3d11h	4d15h	5d19h	8d17h	9d7h	17d10h	21d10h	27d21h	34d20h	69d16h	139d9h	278d19h	557d14h	1115d4h	2230d8h	24,087,000
L1-4KB	5d19h	8d17h	11d15h	14d13h	21d19h	23d6h	43d15h	53d16h	69d19h	87d6h	174d12h	349d	698d	1396d	2792d1h	5584d2h	60,307,000

The above table displays the estimated recordable time (when recording on a 250 GB HDD) and shows the total number of recordable pictures of all the cameras which are set for recording (without audio recording).

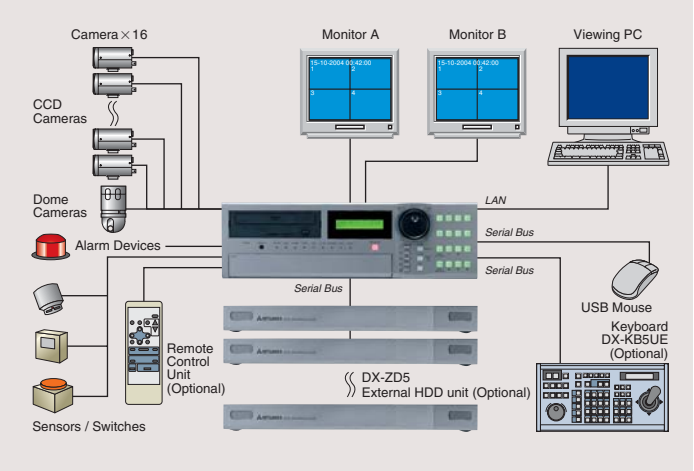
Recording time - d:day h:hour

Item		Description
Main Recording Medium		Built-in 250 GB HDD; additional HDD can be installed
Archiving	Internal	DVD/CD drive (DVD-R/RW, CD-R/RW)
	External	Serial Bus I/F HDD (optional DX-ZD5UE); USB memory (copy only)
Color System		NTSC
Signal Compression System		JPEG2000
Number of Picture Elements Processed		720 x 240 pixels : field recording 720 x 480 pixels : frame recording
Display Rate		960 fields/sec.
Recording Rate		120 fields/sec. at 720 x 240 pixels
Video Terminal	Input	16-channel input; BNC: 1.0Vp-p 75Ω
	Through Output	16-channel loop through output; BNC: 1.0Vp-p 75Ω (with AC power supply)
	Output A	BNC 1-channel: 1.0Vp-p 75Ω S terminal 1-channel : Y 1.0Vp-p 75Ω/ C 0.286Vp-p 75Ω RCA output 1-channel (on front): 1.0Vp-p 75Ω
	Output B	BNC 1-channel : 1.0Vp-p 75Ω
Audio Recording System		PCM
Audio Terminal	Input	1-channel RCA-Pin plug: 308mV(rms), 50kΩ
	Output	1-channel RCA-Pin plug (on front and rear): 308mV(rms), 1kΩ
Recording Interval		Separately selectable for each camera with estimate of maximum recording time
Alarm Recording		Recording time : 2sec, 5sec, 10sec, 15sec, 30sec, 45sec, 1min, 2min, 5min, 10min, 20min, 30min, 60min and contact
Pre-alarm Recording		Can be set from 1 sec. up to 1 hour (LPA)
Emergency Recording		Emergency input terminal (rear)
Power Failure Recovery Recording		Auto-restart of unit after power failure
HDD Usage		Percentage display of hard disk space used
User Interface		GUI menu
Menu Language		English, French, and Spanish
Motion Detection Function		22(H) x 19(V) detection area, 5 sensitivity settings, dot number setting to trigger recording
Clock Adjusting Function		Clock adjusting input (rear terminal)
Retrieval		Date & Time search, Alarm List search, Bookmark search, Motion search

Item		Description
Multiplexer Function		Split display : 4, 9, 10, 13, 16 split display (output A/B) Sequential display : 1, 4, 9 display (output A/B) Covert camera display Alarm display
Interface	Inputs	16-channel ALARM IN 1-channel REC IN 1-channel REC STOP IN 1-channel EMERGENCY 1-channel CLOCK ADJ
	Outputs	4-channel MODE/RELAY OUT 16-channel ALARM OUT 1-channel CALL OUT 1-channel CLOCK ADJ OUT DC12V OUT
	RS232C	1-port for DX-TL4516 control
	RS422/RS232C/	1-port for camera control
	RS485	1-port for DX-KB5UE
	Remote Access	1-jack for wired remote control unit connection
	Serial Bus	2 x USB jack on front panel, 2 x USB on rear
	LAN	1 port for 10/100 Base-T/TX for data comms
Remote Functions	Web	Live viewing, Playback and Search
	PC Software	Live viewing, Playback (access to multiple DVRs), Search, Image data downloading, PTZ control, Alarm notification, Configuration, Recorder control, Remote mode output control
Power Supply		AC100-240V 50/60Hz
Power Consumption		0.9A (120V)
Operational Conditions		Temperature: 5°C-40°C; Humidity: 30%-80%; Altitude: 2000m max.
Dimensions (W x D x H)		16.7 x 13.9 x 5" (425 x 353 x 128 mm)
Weight		20 lbs. (9.1 kg) without HDD
Accessories		AC power cord, Installer's manual (English), User's manual (English)

Input And Output Terminals

System Structure



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5 YEAR WARRANTY

E.X.P.R.E.S.S. REPLACEMENT E.R.A. ASSISTANCE

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